

Abstract

A magnetic separator has a funnel-shaped inlet opening that is adapted to admit and align any misaligned workpieces moving into the separator. A view port for enables viewing of the pole pieces from a location other than the inlet opening and the outlet opening. The view port is preferably formed in a lower guide plate. The separator has a jack screw adjustment mechanism for adjusting the vertical position of the upper guide plate relative to the lower guide plate. An adjustment mechanism for adjusting the vertical position of the upper pole piece relative to the upper guide plate includes an adjustment screw that is accessible fro the top of the separator. The upper guide plate is easily removable from the separator by removing only one fastener per side.